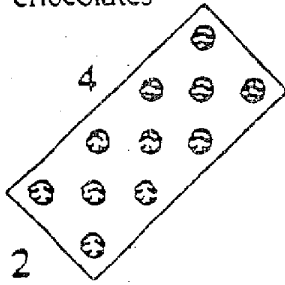


**Problem Solving Task**  
**Chocolate Boxes**

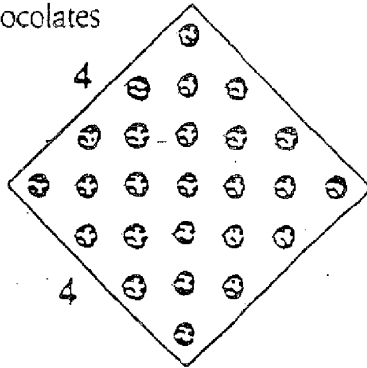
Name: \_\_\_\_\_

Sam was designing chocolate boxes. The boxes come in many different sizes, but they are always arranged in the same kind of pattern (see the boxes below). How many chocolates would a 6 by 8 box hold? What are the dimensions of a box that would hold 13 chocolates? How many chocolates would an  $n$  by  $k$  box hold?

This 2 by 4 box holds 11 chocolates



This 4 by 4 box holds 25 chocolates



This 5 by 6 box holds 50 chocolates

